SS-G7a

E Model

CARBCON SPEAKER SYSTEM

SPECIFICATIONS

Speaker system	3-way speaker system
Speaker units	Woofer: 38 cm (15 inches), cone type
	Mid-range: 10 cm (4 inches), balanced-drive type
	Tweeter: 3.5 cm (1½ inches), balanced-drive type
Enclosure type	Bass-reflex
	Removable front grille
Finish	Real wood walnut veneer
Volume	120 liters
Nominal impedance	8 ohms
Power handling capacity	
	Nominal 120 W DIN 45500
	Maximum 300 W DIN 45500
Sensitivity	94 dB (1 W, 1 m)
	1.6 W (96 dB, 1 m) DIN 45500
Frequency range	28 Hz - 22,000 Hz $^{+4}_{-8}$ dB DIN
Crossover frequency	500 Hz, 4,500 Hz
Controls	Tweeter: from 0 dB to −50 dB continuously adjustable
	Mid-range: from 0 dB to −50 dB continuously adjustable
Dimensions	Approx. 500 × 945 × 445 mm (w/h/d) (19¾ × 37¼ × 17⅝ inches)
Weight	Approx. 52 kg (115 lb) net, including front grille
	Approx. 55 kg (122 lb) in shipping carton

MICROFILM

SONY®

SERVICE MANUAL

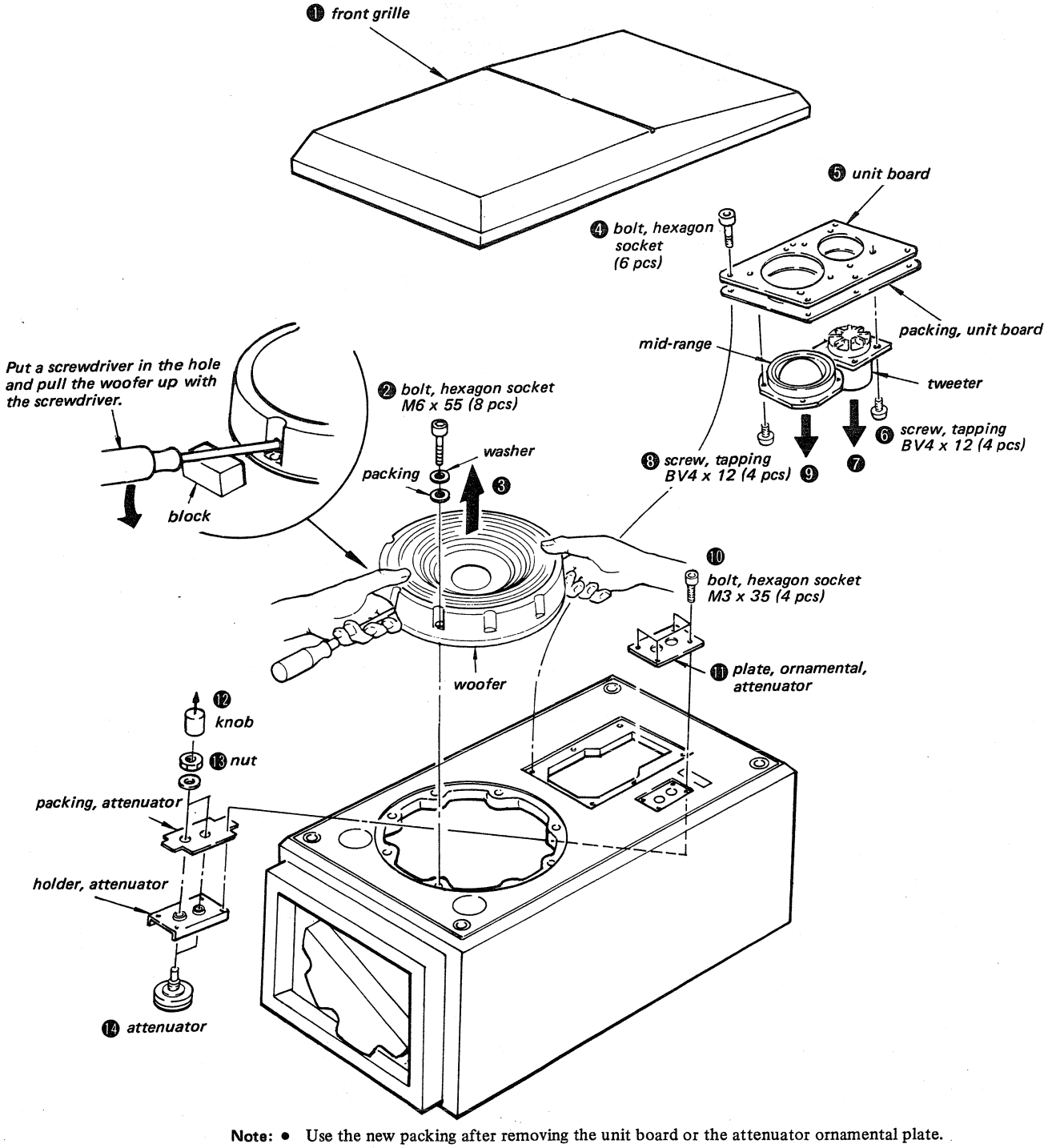
1. DISASSEMBLY

Remove in the numerical order as shown below.

1. SPEAKER UNIT
   Woofer: ❶ → ❷ → ❸
   Mid-range: ❶ → ❹ → ❺ → ❻ → ❼
   Tweeter: ❶ → ❹ → ❺ → ❽ → ❾
2. ATTENUATOR: ❶ → ❿ → ⓫ → ⓬ → ⓭ → ⓮

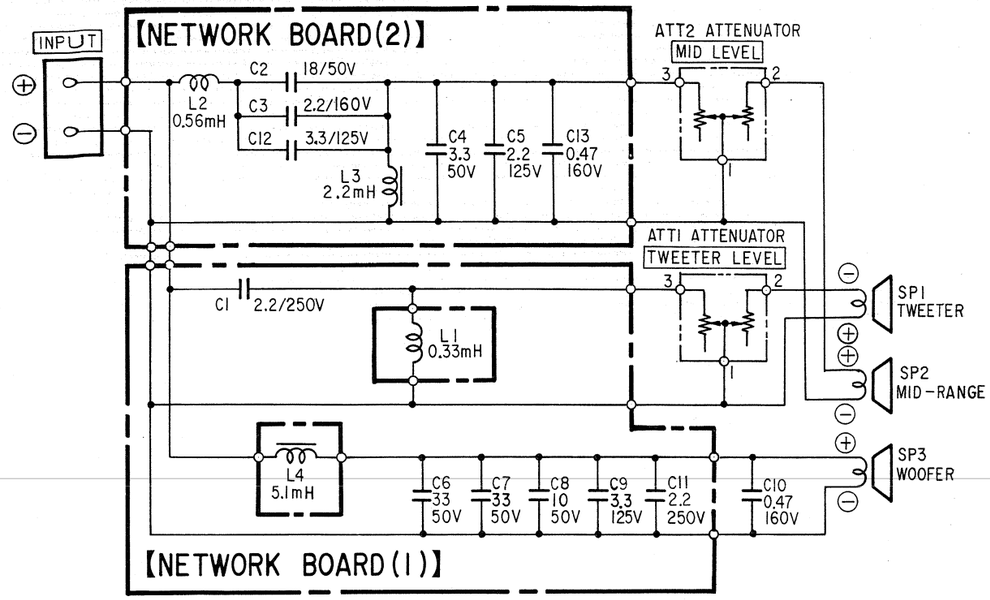
CAUTION:

- Be careful not to break the AG board by striking the woofer on the AG board when removing or reinstalling the woofer.



Note: • Use the new packing after removing the unit board or the attenuator ornamental plate.
• When repairing the circuit board, remove the woofer.

2. SCHEMATIC DIAGRAM

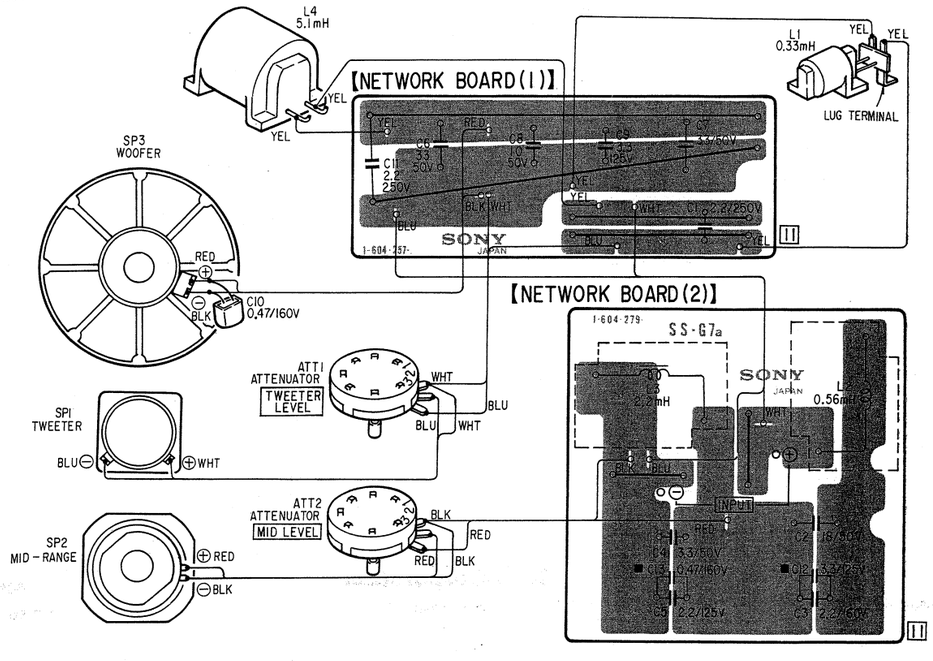


Note:

- All capacitors are in μF
- ▭ : panel designation.
- ■ : part mounted on the conductor side.

3. MOUNTING DIAGRAM

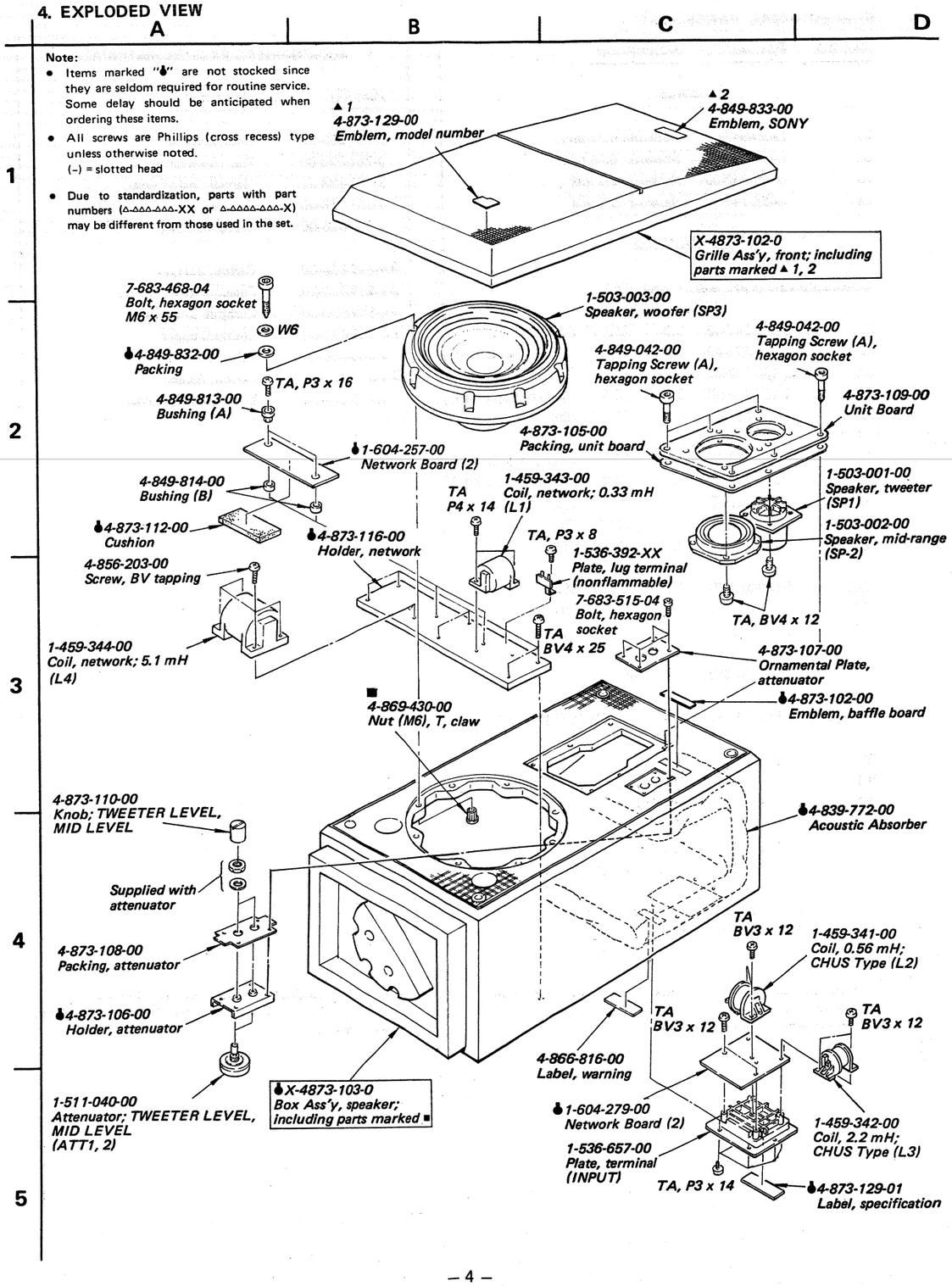
– Conductor Side –



4. EXPLODED VIEW

Note:

- Items marked "🔥" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All screws are Phillips (cross recess) type unless otherwise noted. (–) = slotted head
- Due to standardization, parts with part numbers (△-△△△-△△△-XX or △-△△△△-△△△-X) may be different from those used in the set.


▲1 4-873-129-00 Emblem, model number
▲2 4-849-833-00 Emblem, SONY
X-4873-102-0 Grille Ass'y, front; including parts marked ▲1, 2
7-683-468-04 Bolt, hexagon socket M6 x 55
W6
🔥4-849-832-00 Packing
TA, P3 x 16
4-849-813-00 Bushing (A)
1-503-003-00 Speaker, woofer (SP3)
4-849-042-00 Tapping Screw (A), hexagon socket
4-849-042-00 Tapping Screw (A), hexagon socket
4-873-109-00 Unit Board
4-873-105-00 Packing, unit board
🔥1-604-257-00 Network Board (2)
4-849-814-00 Bushing (B)
1-459-343-00 Coil, network; 0.33 mH (L1)
TA P4 x 14
🔥4-873-112-00 Cushion
🔥4-873-116-00 Holder, network
TA, P3 x 8
1-503-001-00 Speaker, tweeter (SP1)
1-503-002-00 Speaker, mid-range (SP-2)
4-856-203-00 Screw, BV tapping
1-536-392-XX Plate, lug terminal (nonflammable)
7-683-515-04 Bolt, hexagon socket
TA, BV4 x 12
TA BV4 x 25
1-459-344-00 Coil, network; 5.1 mH (L4)
4-873-107-00 Ornamental Plate, attenuator
🔥4-873-102-00 Emblem, baffle board
■ 4-869-430-00 Nut (M6), T, claw
4-873-110-00 Knob; TWEETER LEVEL, MID LEVEL
🔥4-839-772-00 Acoustic Absorber
Supplied with attenuator
TA BV3 x 12
1-459-341-00 Coil, 0.56 mH; CHUS Type (L2)
4-873-108-00 Packing, attenuator
TA BV3 x 12
TA BV3 x 12
🔥4-873-106-00 Holder, attenuator
4-866-816-00 Label, warning
1-511-040-00 Attenuator; TWEETER LEVEL, MID LEVEL (ATT1, 2)
🔥X-4873-103-0 Box Ass'y, speaker; including parts marked ■
🔥1-604-279-00 Network Board (2)
1-536-657-00 Plate, terminal (INPUT)
1-459-342-00 Coil, 2.2 mH; CHUS Type (L3)
TA, P3 x 14
🔥4-873-129-01 Label, specification

5. ELECTRICAL PARTS LIST

Ref. No.	*Part No.*	*Description*		
		COILS		
L1	1-459-343-00	Network, 0.33 mH		
L2	1-459-341-00	Network, 0.56 mH		
L3	1-459-342-00	Network, 2.2 mH		
L4	1-459-344-00	Network, 5.1 mH		
		CAPACITORS		
		All capacitors are in μF. elect = electrolytic		
C1	1-130-347-00	2.2	250 V	film
C2	1-123-577-00	18	50 V	elect (nonpolarized)
C3	1-130-347-00	2.2	160 V	film
C4	1-123-814-00	3.3	50 V	elect (nonpolarized)
C5	1-130-674-00	2.2	125 V	film
C6	1-123-813-00	33	50 V	elect (nonpolarized)
C7	1-123-637-00	33	50 V	elect (nonpolarized)
C8	1-123-815-00	10	50 V	elect (nonpolarized)
C9	1-130-673-00	3.3	125 V	film
C10	1-130-575-00	0.47	160 V	film
C11	1-130-347-00	2.2	250 V	film
C12	1-130-673-00	3.3	125 V	film
C13	1-130-575-00	0.47	160 V	film
		MISCELLANEOUS		
ATT1, 2	1-511-040-00	Attenuator; TWEETER LEVEL, MID LEVEL		
SP1	1-503-001-00	Speaker, tweeter		
SP2	1-503-002-00	Speaker, mid-range		
SP3	1-503-003-00	Speaker, woofer		
	1-508-823-00	Base Post		
	1-536-392-XX	Terminal Strip (nonflammable)		
	1-536-657-00	Terminal Board; INPUT		
	♦1-604-257-00	PC Board, network 1		
	♦1-604-279-00	PC Board, network 2		

ACCESSORIES & PACKING MATERIALS

Part No.	*Description*
1-534-687-00	Cord, speaker
3-701-020-00	Bag, check sheet
3-783-428-51	Manual, instruction
4-307-858-00	Stopper
4-849-826-00	Bag, protecting
♦4-849-828-00	Carton, bottom
♦4-849-829-00	Cushion, lower (right)
♦4-849-830-00	Cushion, lower (left)
♦4-849-831-00	Cushion, upper
4-866-816-00	Label, caution
♦4-873-111-00	Carton, frame
4-873-129-00	Label, model number

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